AMENDMENTS TO THE CLAIMS

1. (Original) A method of optimizing the delivery of content data from a web server to a client device, said method comprising:

receiving a request for content data from a client device;

selecting optional content of the content data responsive to performance characteristics of the requesting client device; and

transmitting the selected optional content to the requesting client device.

2. (Original) The method of claim 1 wherein selecting optional content further comprises:

selecting one of a plurality of content items responsive to the performance characteristics of the requesting client device.

3. (Original) The method of claim 2 wherein the plurality of content items is ordered with respect to highest and lowest performance characteristics of client devices, and selecting comprises:

responsive to a client device having a highest performance characteristic, selecting a first ordered content item.

4. (Original) The method of claim 2 wherein the plurality of content items is ordered with respect to highest and lowest performance characteristics of client devices, and selecting further comprises:

responsive to a client device having a highest performance characteristic, selecting a last ordered content item.

5. (Original) The method of claim 3 wherein optimization constraints are assigned to classes of client devices, and each class of client device has different performance characteristics, further comprising:

determining the performance characteristics of the requesting client device;

determining a class of client device to which the requesting client device belongs responsive to the determined performance characteristics of the requesting client device;

assigning the requesting client device an optimization constraint responsive to the determined class of client device to which the requesting client device belongs; and

selecting comprises selecting a content item whose order corresponds to the optimization constraint.

6. (Original) The method of claim 5 further comprising:

responsive to an optimization constraint specifying a class of device having a lowest performance characteristic, selecting a content item requiring a least amount of bandwidth to be transmitted.

7. (Original) The method of claim 5 further comprising:

responsive to an optimization constraint specifying a class of device having a lowest performance characteristic, selecting a content item comprising a least amount of data.

8. (Original) The method of claim 2 wherein optimization constraints are associated with each content item, and the optimization constraints index classes of client devices, wherein each class of client device has different performance characteristics, further comprising:

assigning the requesting client device an optimization constraint responsive to the performance characteristics of the requesting client device; and

selecting comprises selecting a content item responsive to the assigned optimization constraint.

9. (Original) The method of claim 8 wherein assigning an optimization constraint responsive to the performance characteristics of the requesting client device further comprises:

determining a connection type in use by the client device; and

associating an optimization constraint responsive to the connection type of the client device.

10. (Original) The method of claim 8 wherein assigning an optimization constraint responsive to the performance characteristics of the requesting client device further comprises:

determining a web browser in use by the requesting client device; and

associating an optimization constraint further comprises:

associating an optimization constraint responsive to the web browser in use by the requesting client device.

11. (Original) The method of claim 8 wherein assigning an optimization constraint responsive to the performance characteristics of the requesting client device further comprises:

determining a processor type in use by the requesting client device; and

associating an optimization constraint further comprises:

associating an optimization constraint responsive to the processor type in use by the requesting client device.

12. (Original) The method of claim 8 wherein assigning an optimization constraint responsive to the performance characteristics of the requesting client device further comprises:

determining an amount of memory in use by the requesting client device; and

associating an optimization constraint further comprises:

associating an optimization constraint responsive to the amount of memory in use by the requesting client device.

13. (Original) The method of claim 8 wherein assigning an optimization constraint responsive to the performance characteristics of the requesting client device further comprises:

determining a display type in use by the requesting client device; and

associating an optimization constraint further comprises:

associating an optimization constraint responsive to the display type in use by the requesting client device.

14. (Original) A system for transmitting content data over a network, comprising:

a content server, for receiving a request for content from a client device, selecting optional content of the content data responsive to performance characteristics of the client device, and transmitting the selected optional content to the requesting client device.

15. (Original) The system of claim 14 further comprising a plurality of client devices, for transmitting requests for content to the content server and receiving content transmitted from the content server, at least one client device having different performance characteristics than at least one other client device.

16. (Original) The system of claim 14 wherein optimization constraints index classes of client devices based upon performance characteristics and the optional content within a context data is indexed by the optimization constraints, and the content server selects optional content from the context data responsive to assigning an optimization constraint to a requesting client device.

17-19. (Canceled)

20. (Original) A method of delivering a web page comprising:

receiving a request for transmission of the web page from a remote device;

determining at least one performance characteristic of the remote device;

selecting optional content of the web page responsive to the determined at least one performance characteristic; and

transmitting the selected optional content to the remote device.

21. (Original) The method of claim 20 wherein selecting optional content further comprises:

selecting one of a plurality of content items responsive to the performance characteristics of the requesting client device.

22. (Original) The method of claim 21 wherein the plurality of content items is ordered with respect to highest and lowest performance characteristics of client devices, and selecting comprises:

responsive to a client device having a highest performance characteristic, selecting a first ordered content item.

23. (Original) The method of claim 21 wherein the plurality of content items is ordered with respect to highest and lowest performance characteristics of client devices, and selecting further comprises:

responsive to a client device having a highest performance characteristic, selecting a last ordered content item.

24. (Original) The method of claim 22 wherein optimization constraints are assigned to classes of client devices, and each class of client device has different performance characteristics, further comprising:

determining the performance characteristics of the requesting client device;

determining a class of client device to which the requesting client device belongs responsive to the determined performance characteristics of the requesting client device;

assigning the requesting client device an optimization constraint responsive to the determined class of client device to which the requesting client device belongs; and

selecting comprises selecting a content item whose order corresponds to the optimization constraint.

25. (Original) The method of claim 24 further comprising:

responsive to an optimization constraint specifying a class of device having a lowest performance characteristic, selecting a content item requiring a least amount of bandwidth to be transmitted.

26. (Original) The method of claim 24 further comprising:

responsive to an optimization constraint specifying a class of device having a lowest performance characteristic, selecting a content item comprising a least amount of data.

27. (Original) The method of claim 21 wherein optimization constraints are associated with each content item, and the optimization constraints index classes of client devices, wherein each class of client device has different performance characteristics, further comprising:

assigning the requesting client device an optimization constraint responsive to the performance characteristics of the requesting client device; and

selecting comprises selecting a content item responsive to the assigned optimization constraint.

28. (Original) The method of claim 27 wherein assigning an optimization constraint responsive to the performance characteristics of the requesting client device further comprises:

determining a connection type in use by the client device; and

associating an optimization constraint responsive to the connection type of the client device.

29. (Original) The method of claim 27 wherein assigning an optimization constraint responsive to the performance characteristics of the requesting client device further comprises:

determining a web browser in use by the requesting client device; and

associating an optimization constraint further comprises:

associating an optimization constraint responsive to the web browser in use by the requesting client device.

30. (Original) A computer-readable medium for use in a system having a web server for storing content data, and which is connected to a plurality of client devices, the computer-readable medium storing instructions which cause the server to:

receive a request for content data from a client device;

select optional content of the content data responsive to performance characteristics of the requesting client device; and

transmit the selected optional content to the client device.

31. (Original) The computer-readable medium of claim 30 wherein the stored instructions further cause the processor to:

select one of a plurality of content items responsive to the performance characteristics of the requesting client device.

32. (Original) The computer-readable medium of claim 31 wherein the plurality of content items is ordered with respect to performance characteristics of client devices, and the stored instructions further cause the processor to:

responsive to a client device having a highest performance characteristic, select a first ordered content item.

33. (Original) The computer-readable medium of claim 31 wherein optimization constraints are assigned to classes of client devices, and each class of client device has different performance characteristics, and the stored instructions further cause the processor to:

determine the performance characteristics of the requesting client device;

determine a class of client device to which the requesting client device belong responsive to the performance characteristics of the requesting client device;

assign the requesting client device an optimization constraint responsive to the determined class of client device to which the requesting client device belongs; and

select a content item corresponding to the optimization constraint.

34. (Original) The computer-readable medium of claim 32 wherein optimization constraints are associated with each content item, and the optimization constraints index classes of client devices, wherein each class of client device has different performance characteristics, and the stored instructions further cause the processor to:

assign the requesting client device an optimization constraint responsive to the performance characteristics of the requesting client device; and

select a content item responsive to the assigned optimization constraint.

35. (Original) The computer-readable medium of claim 34 wherein the stored instructions further cause the processor to:

determine a connection type in use by the client device; and

associate an optimization constraint responsive to the connection type of the client device.

36. (Original) A method of optimizing the delivery of content data from a web server to a client device, wherein the content data is comprised of content items, optimization constraints are associated with each content item, the optimization

constraints index classes of client devices, and wherein each class of client device has different performance characteristics, the method comprising:

receiving a request for content data from the client device;

determining a class of device to which the requesting client device belongs responsive to the performance characteristics of the requesting client device;

assigning the requesting client device an optimization constraint responsive to the determined class of client device;

selecting one of a plurality of content items responsive to the assigned optimization constraint; and

transmitting the selected optional content to the client device.

37. (Canceled)